

FIG. 1

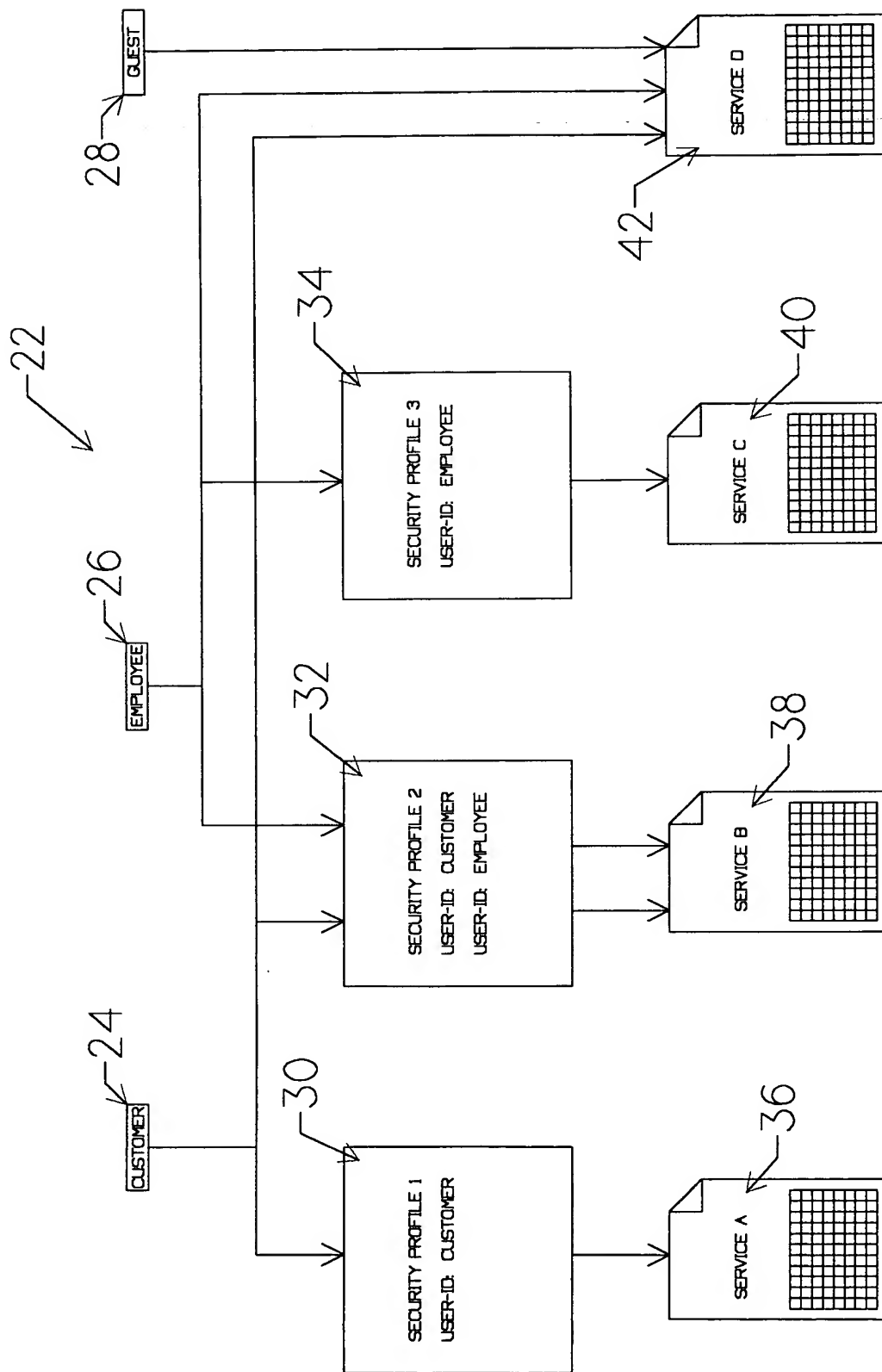


FIG. 2

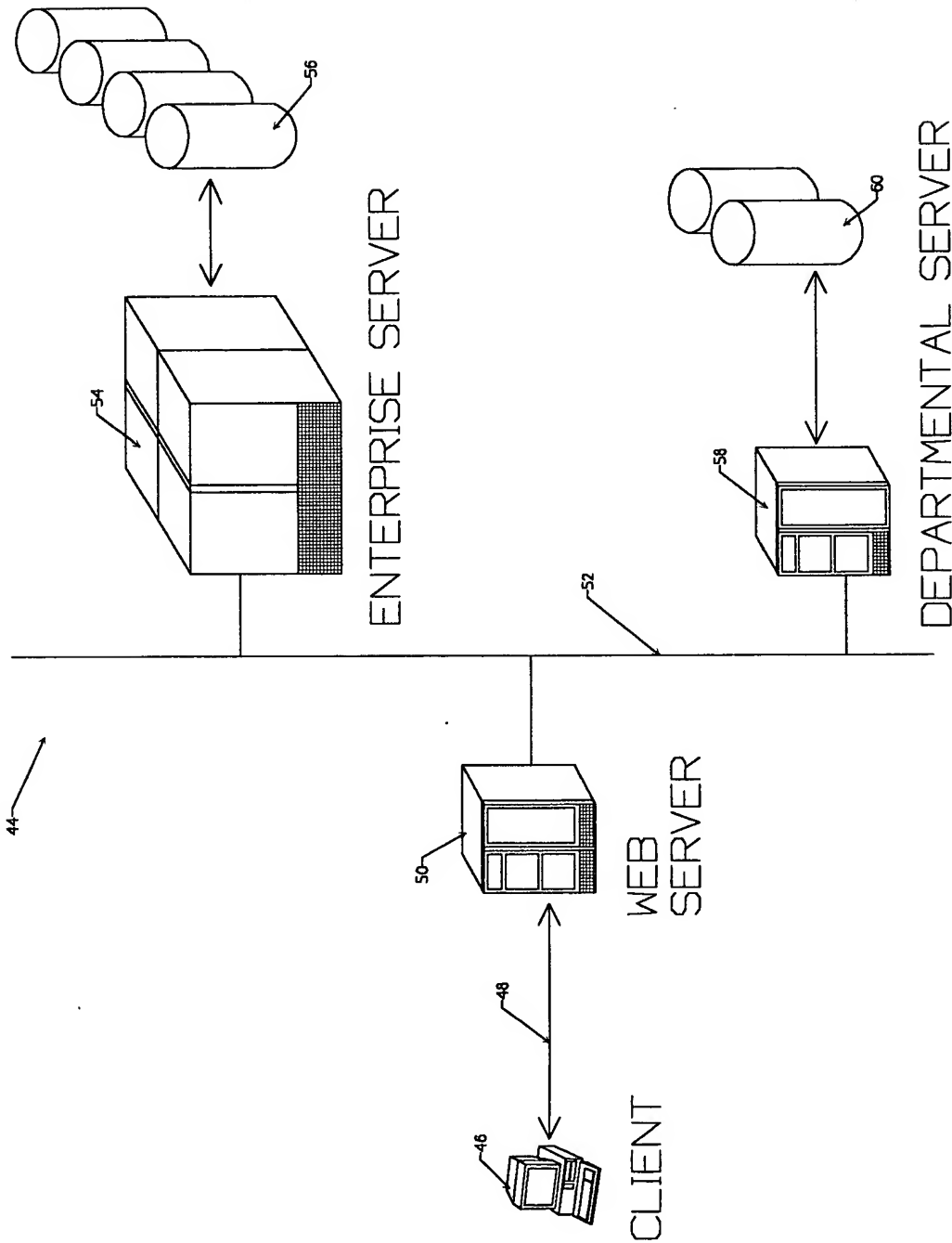


FIG. 3

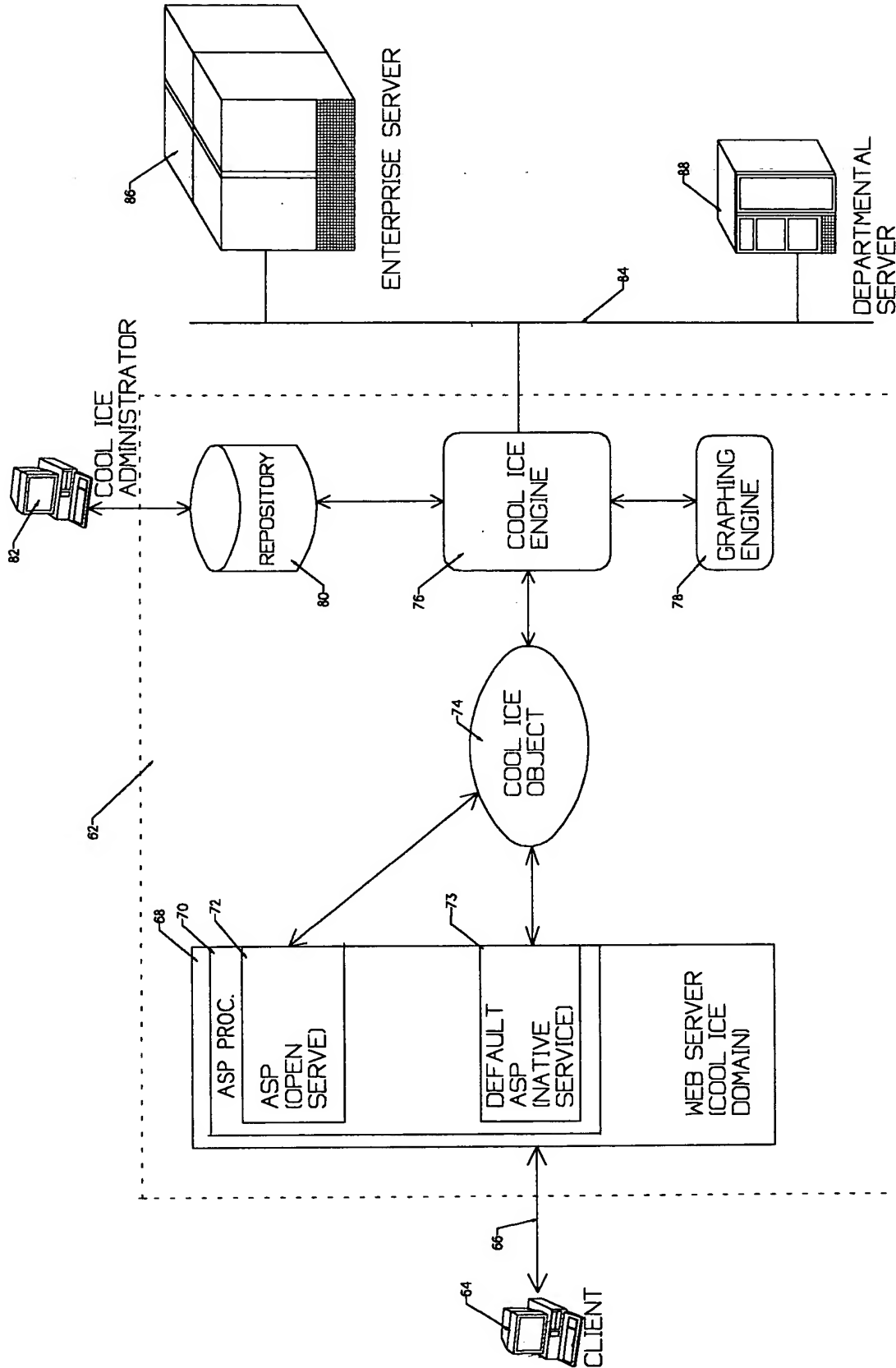
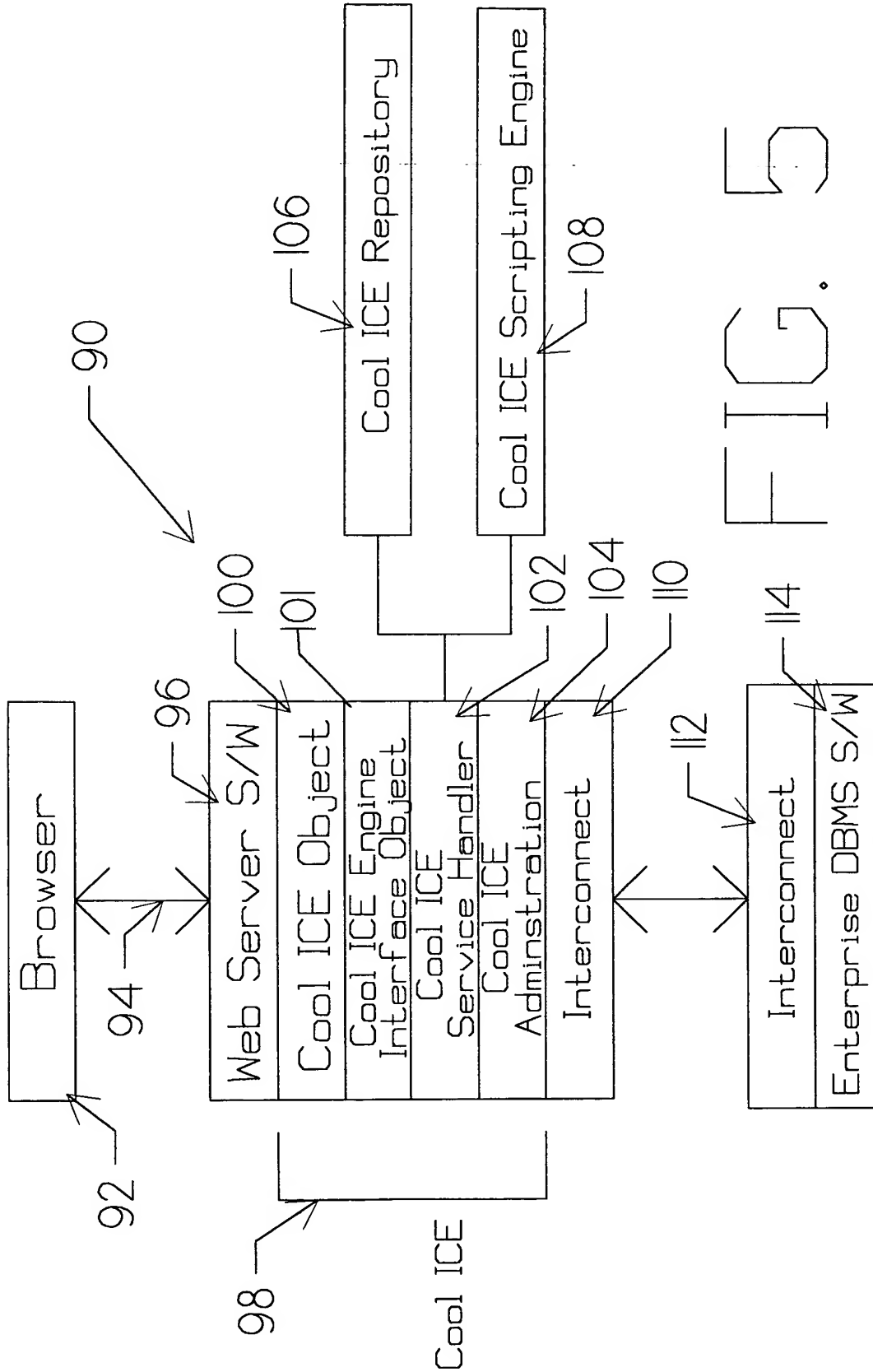


FIG. 4



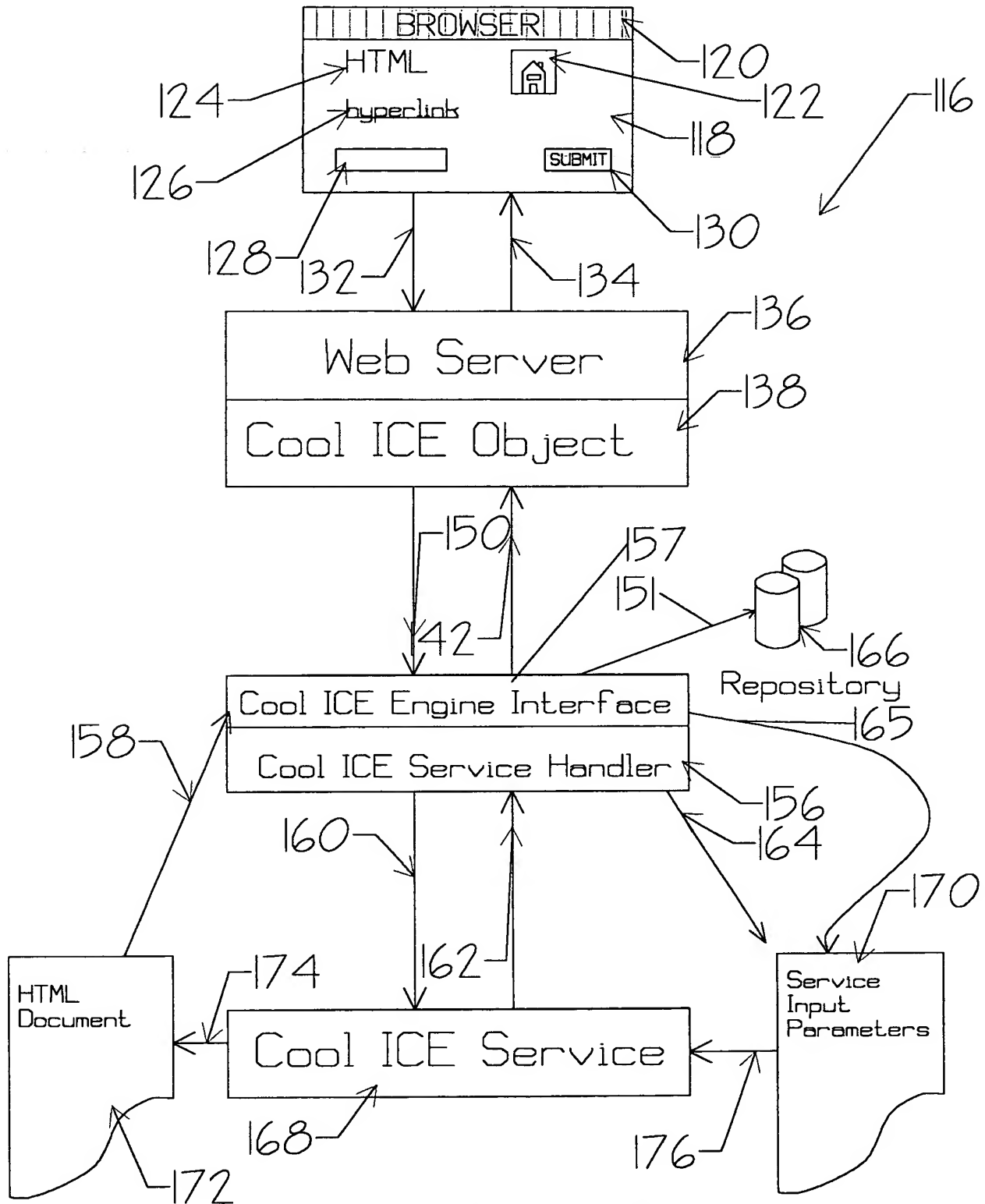


FIG. 6

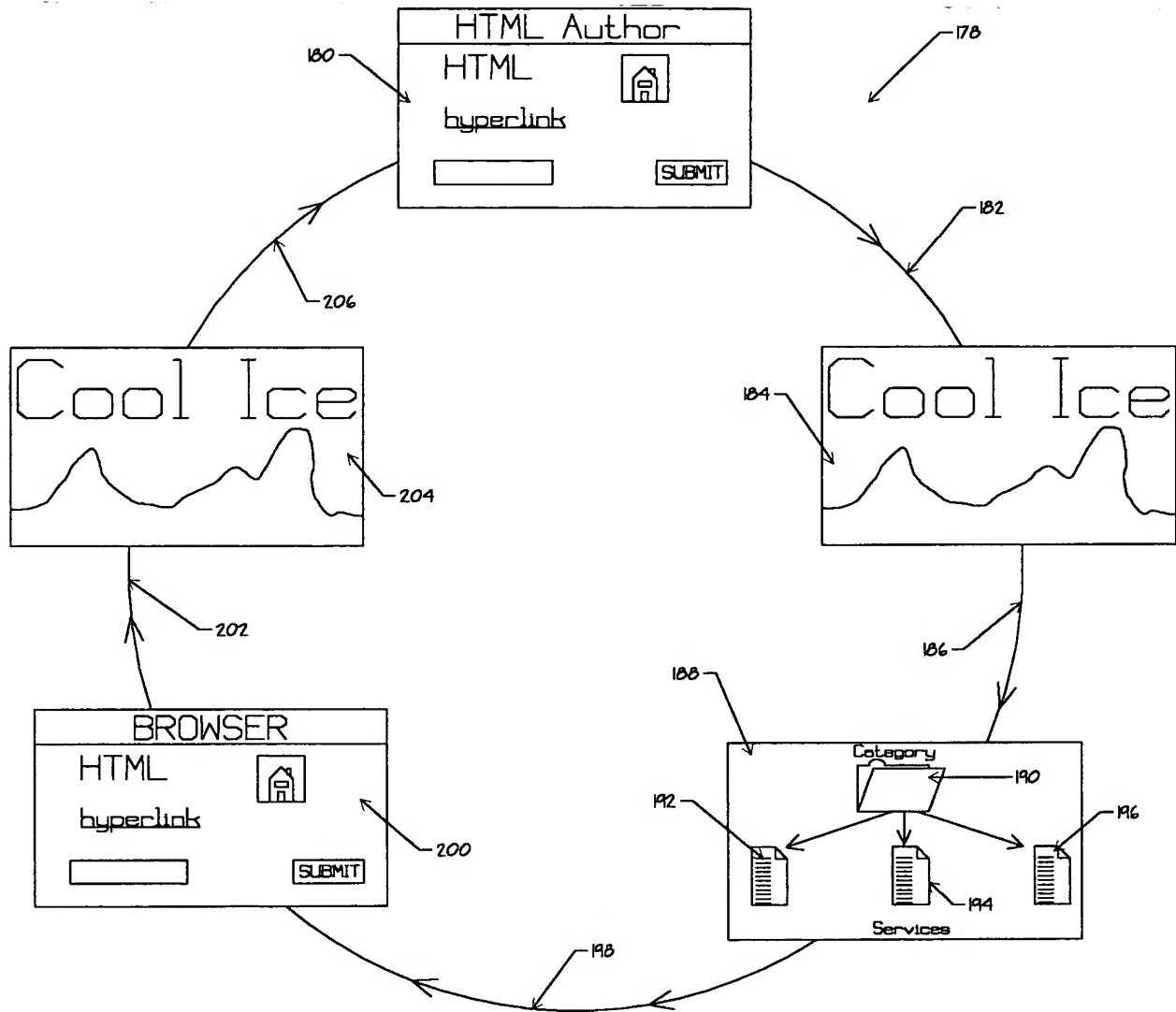


FIG. 7

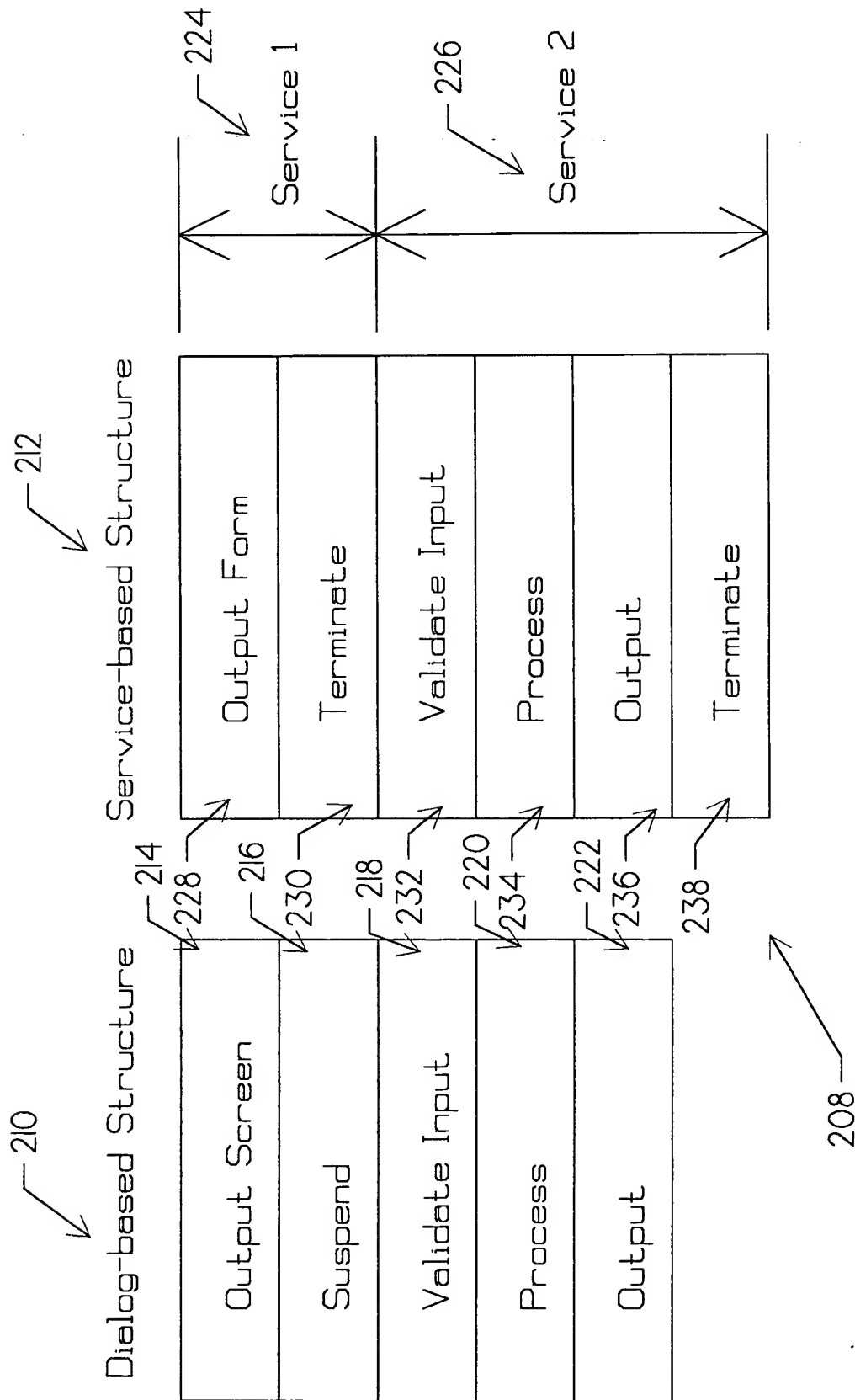


FIG. 8



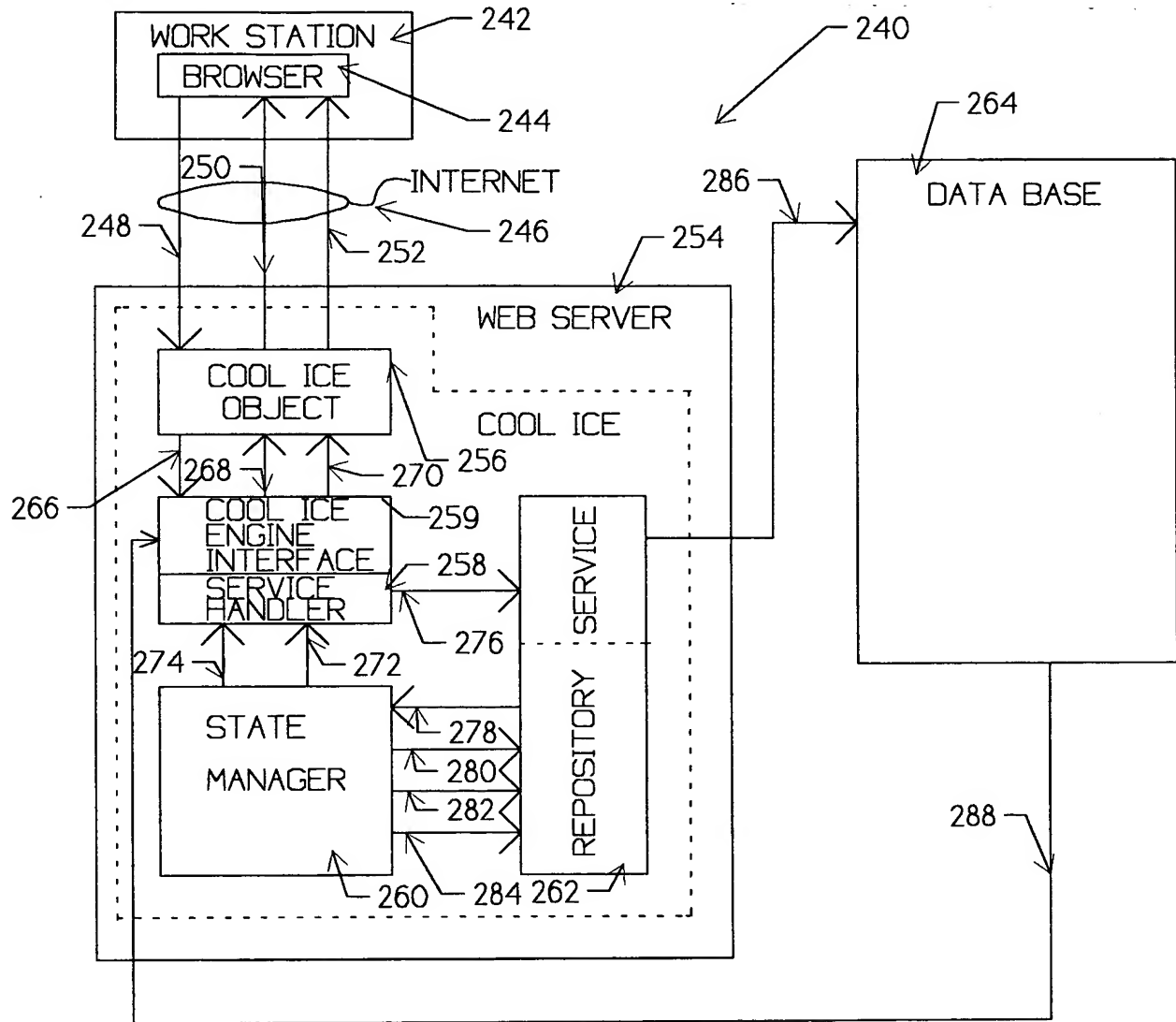


FIG. 9

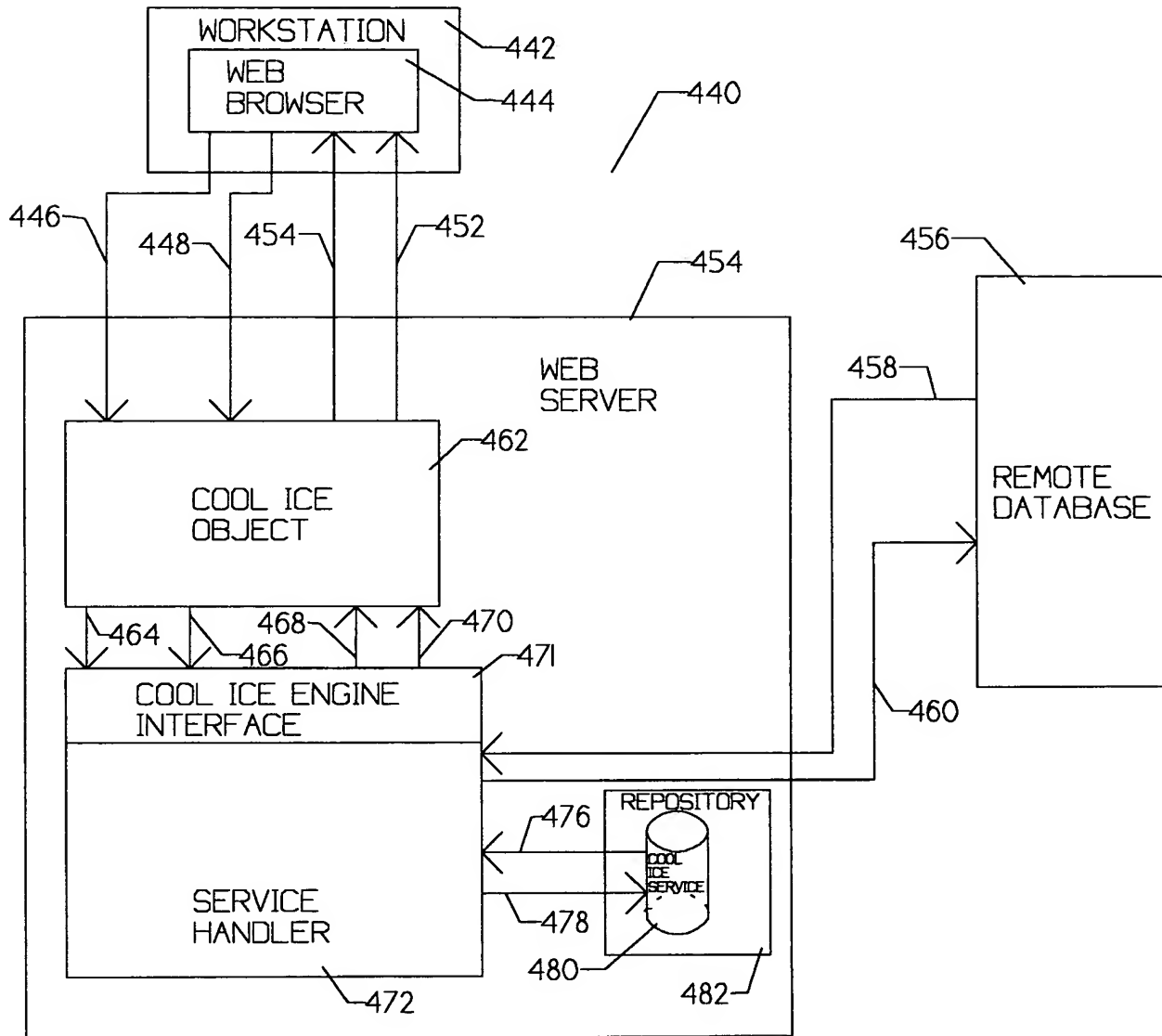


FIG. 10

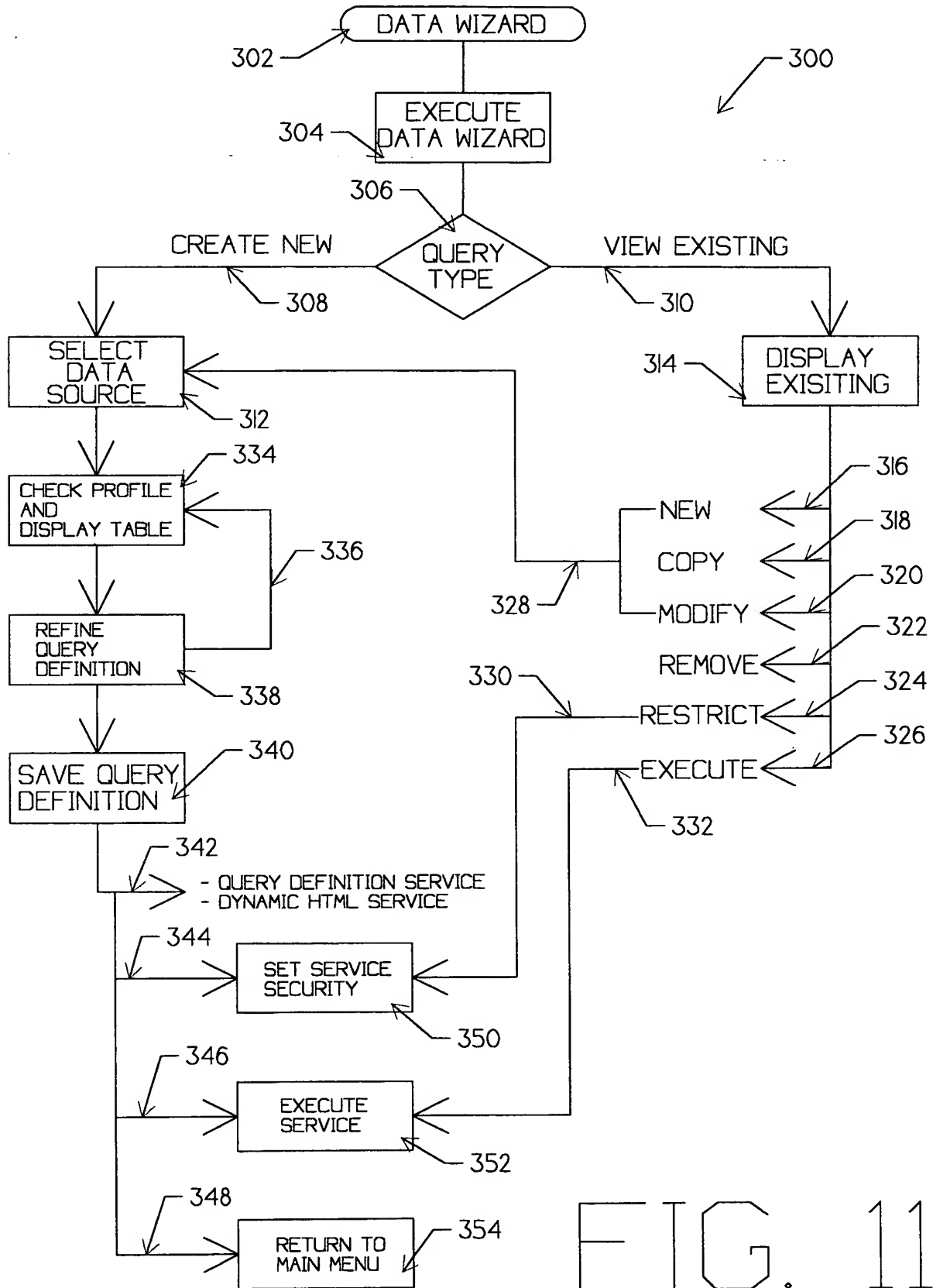


FIG. 11

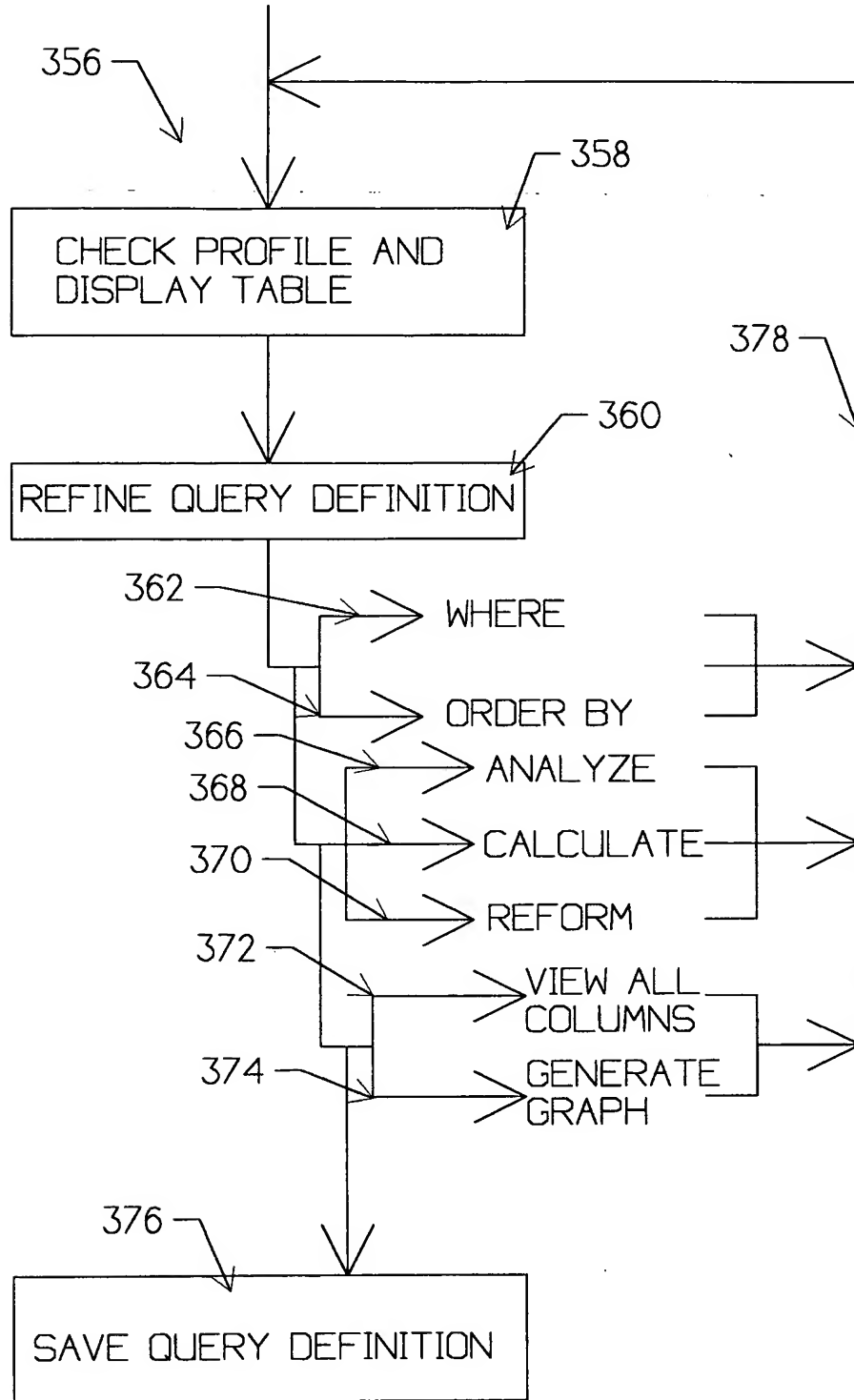


FIG. 12

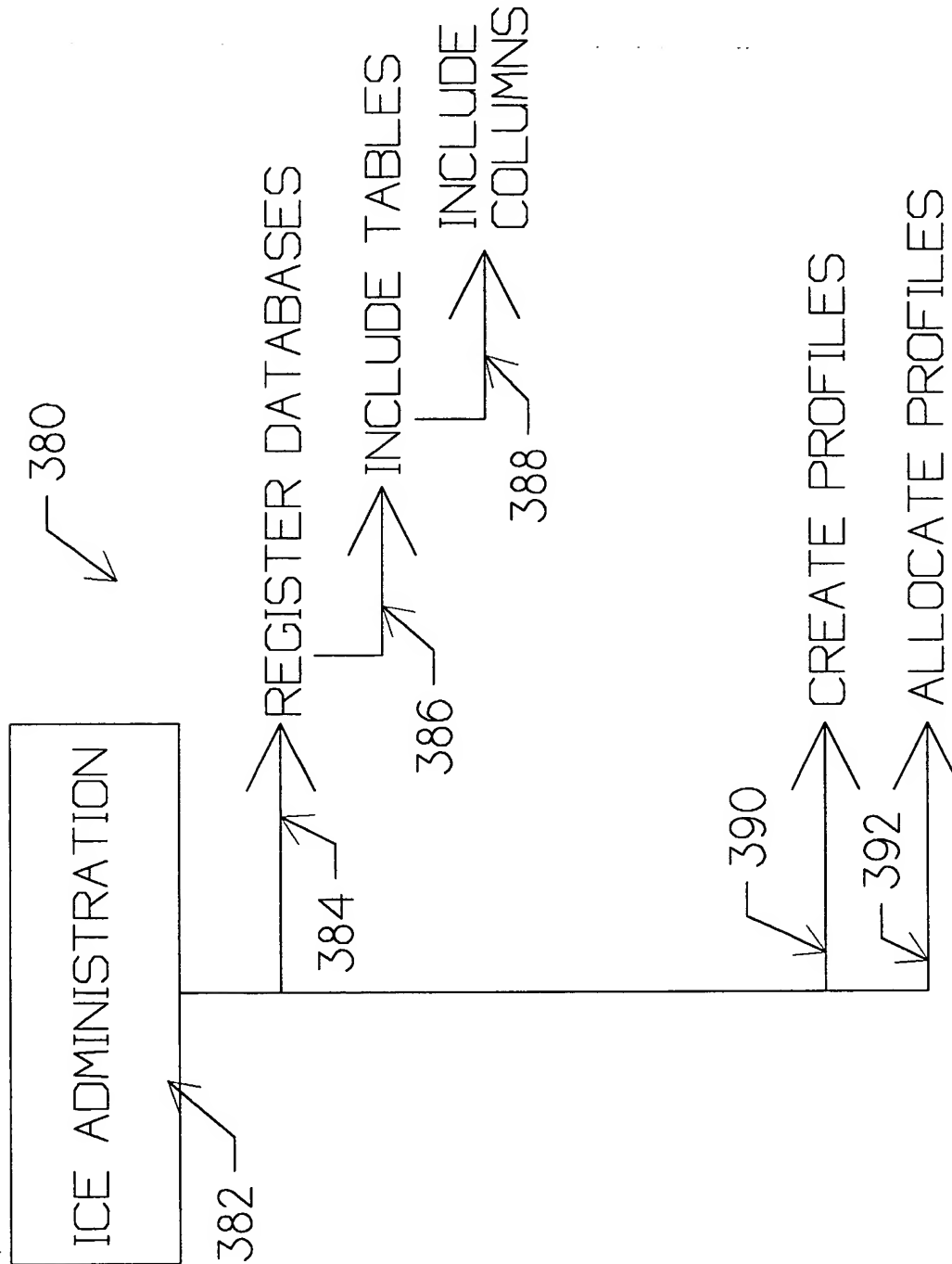


FIG. 13

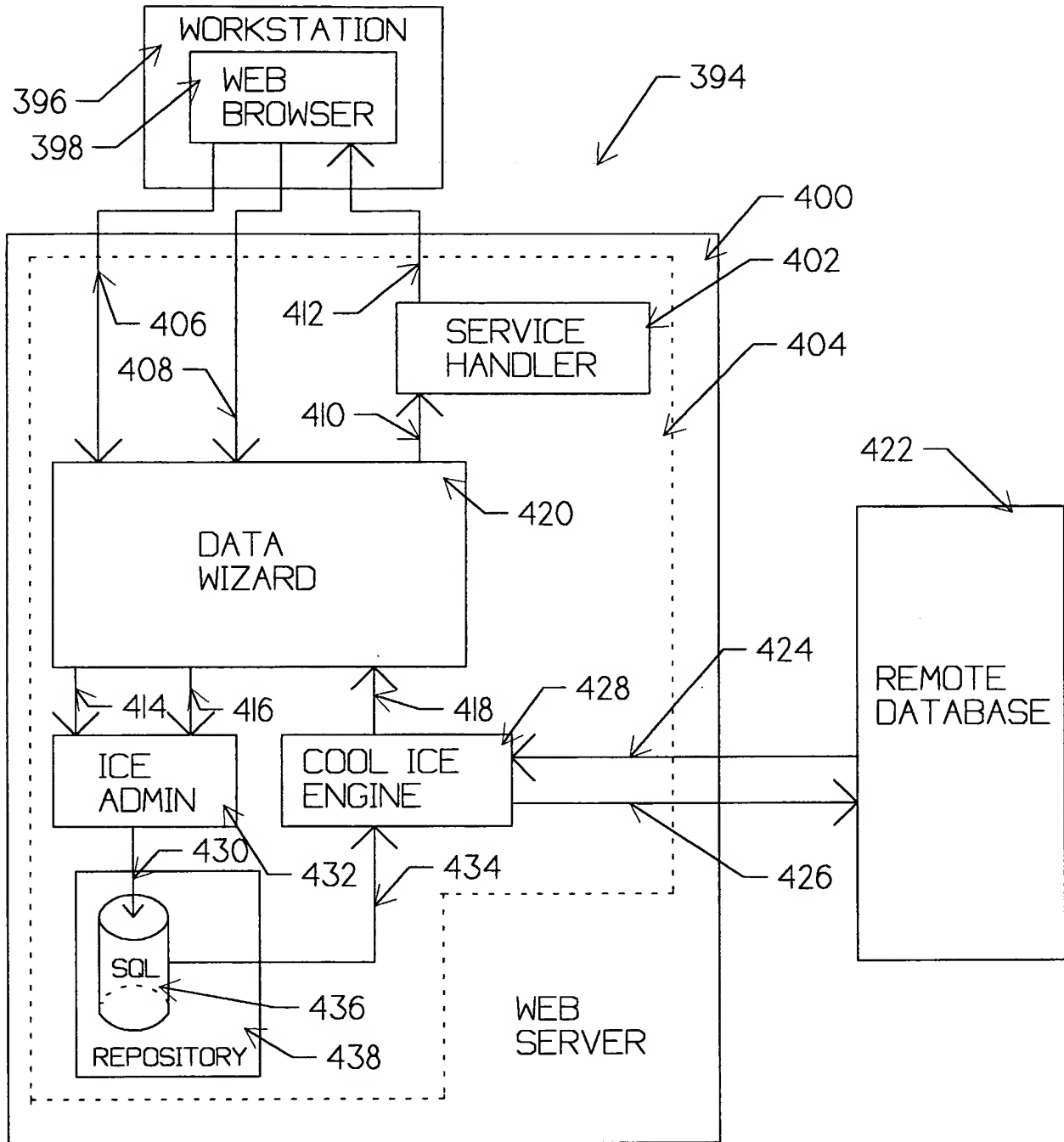


FIG. 14

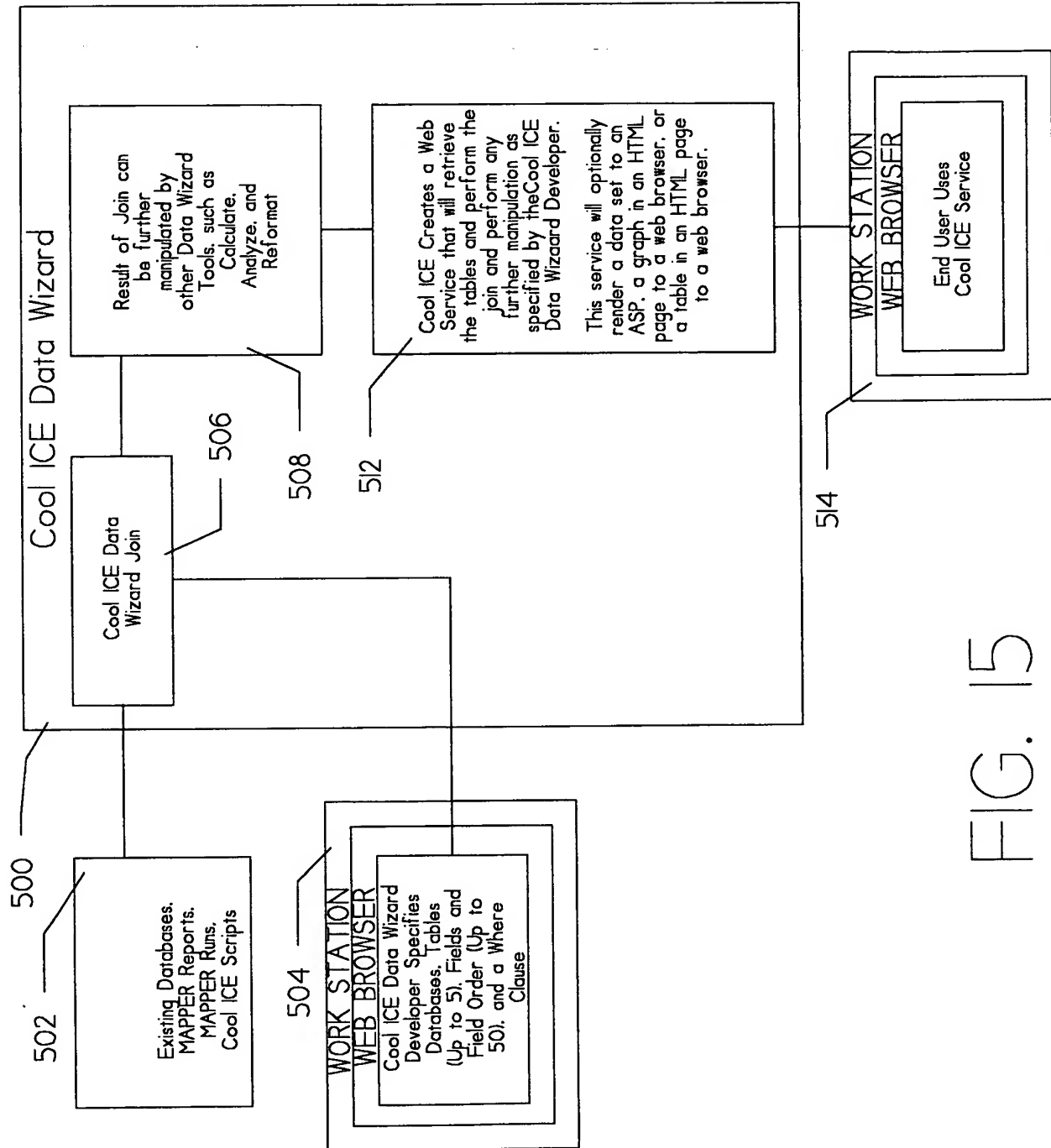
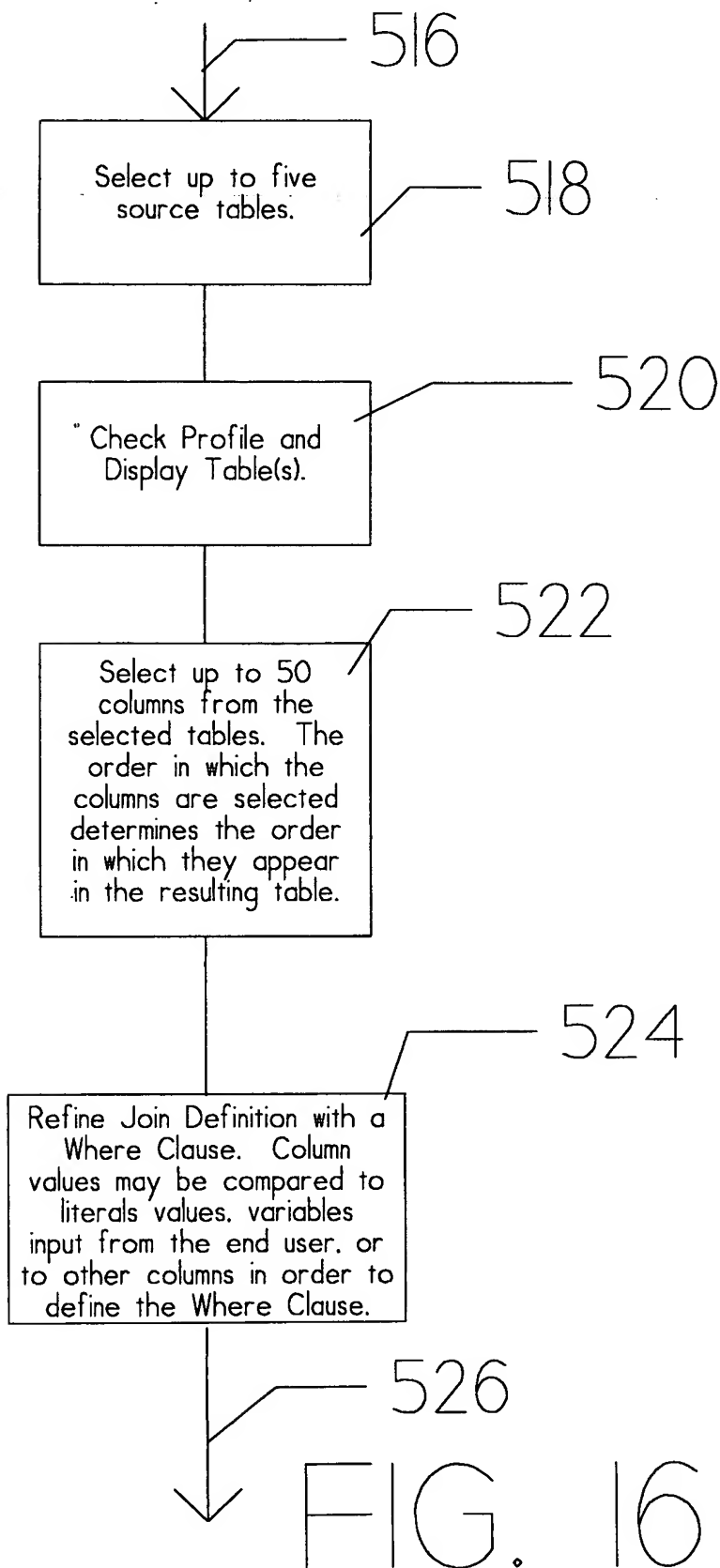


FIG. 15



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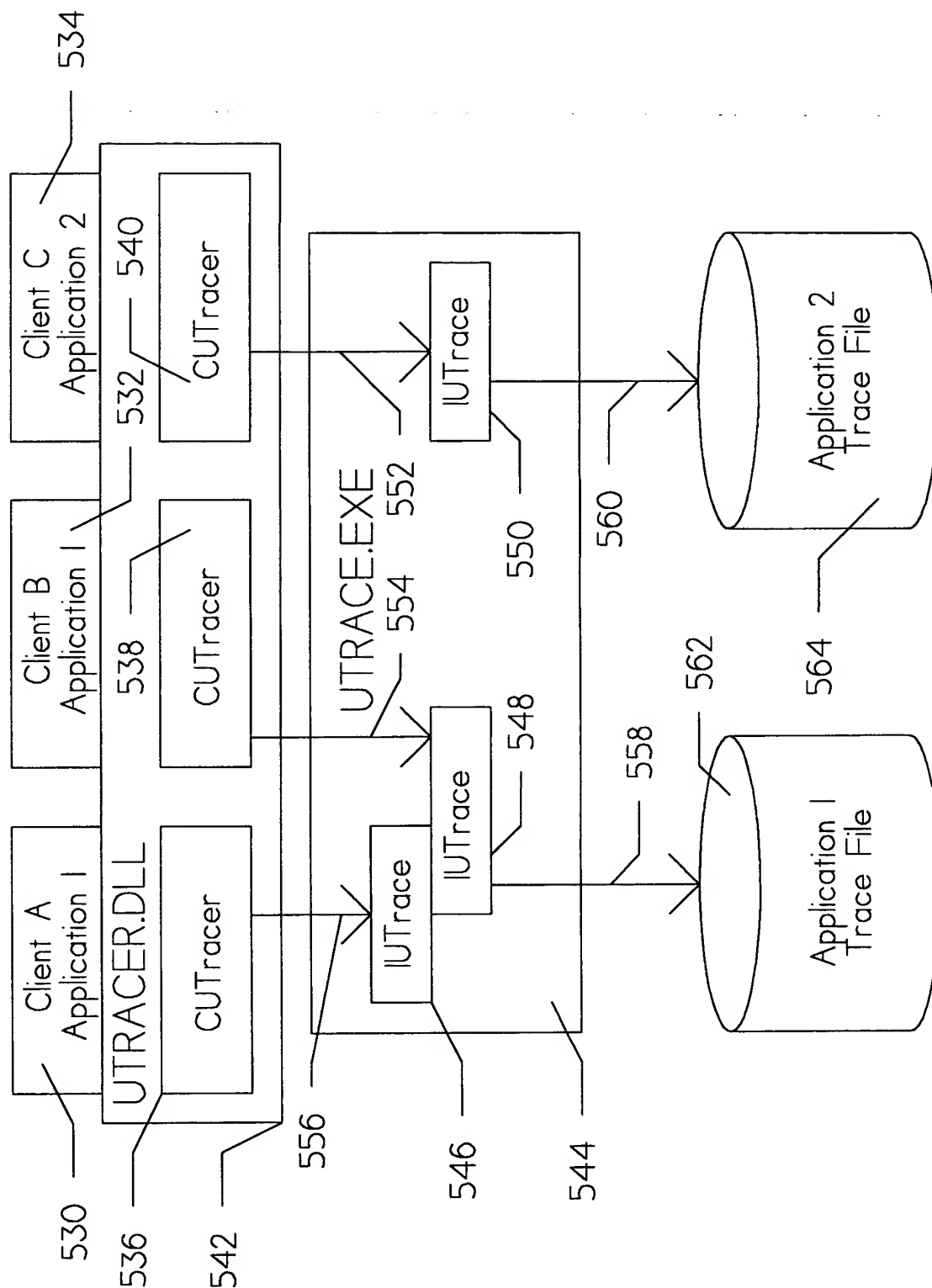


FIG. 17

HKLM\SOFTWARE\UNISYS\UTRACE

APPNAME -- Subkey matching the name of the application

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ENABLETRACE	--	DWORD	value indicating a Boolean (=trace., 0=no trace).
MAXENTRIES	--	DWORD	value indicating the maximum number of entries in the trace file. If missing, then no upper limit is imposed.
FORMATFLAGS	--	DWORD	value indicating message formatting flags.
POLICYFLAGS	--	DWORD	value indicating trace policy flags set for the application.
TRACELEVEL	--	DWORD	value indicating a trace level. 0 = no trace.
TRACEPATH	--	String	value indicating the directory path for the trace files.
REGTRACE	--	A string	value containing the HKLM\Software sub key to trace for this application. Blank or missing for no registry trace.
COMPONENT	--	A subkey	for a specific component of the application.
POLICYFLAGS -- Value indicating component level trace policy flags			
TRACELEVEL	--	DWORD	Value indicating a trace level. 0 = no trace.
VERSIONTRACE	--	String	value specifying executable component name for version information tracing.

FIG. 18

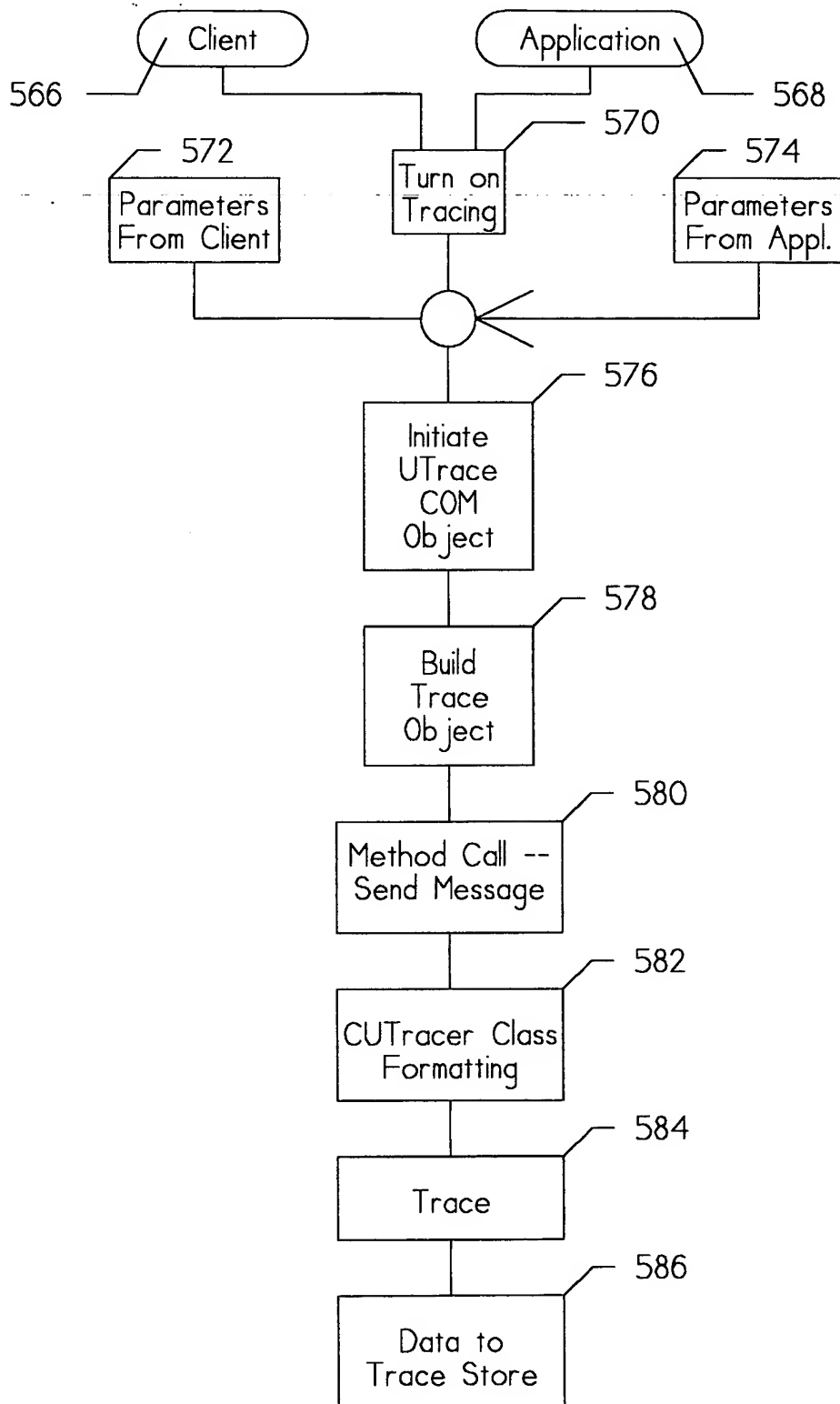


FIG. 19

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```
#define CI_TRACE_VERSION      0x1
#define CI_TRACE_ERROR        0x2
#define CI_TRACE_INTERFACE    0x4
#define CI_TRACE_FLOW         0x8
#define CI_TRACE_DETAIL       0x10
```

FIG. 20A

```
if (m_trace.Active(CI_TRACE_DETAIL))
m_trace<<"MY Detailed Trace information"<<Localvariable<<traceit
```

FIG. 20B

1002941.001  
T.012222

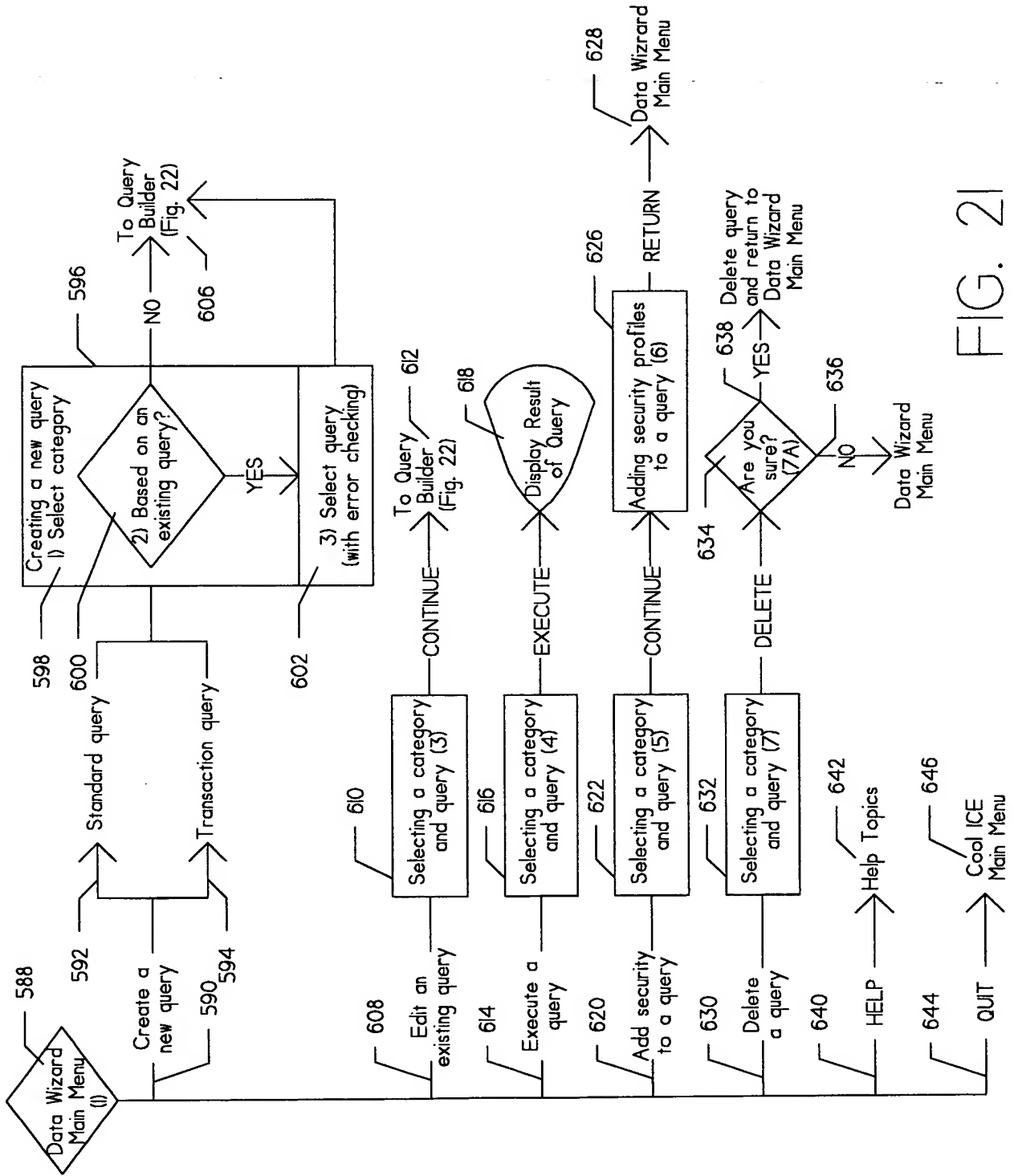


FIG. 21

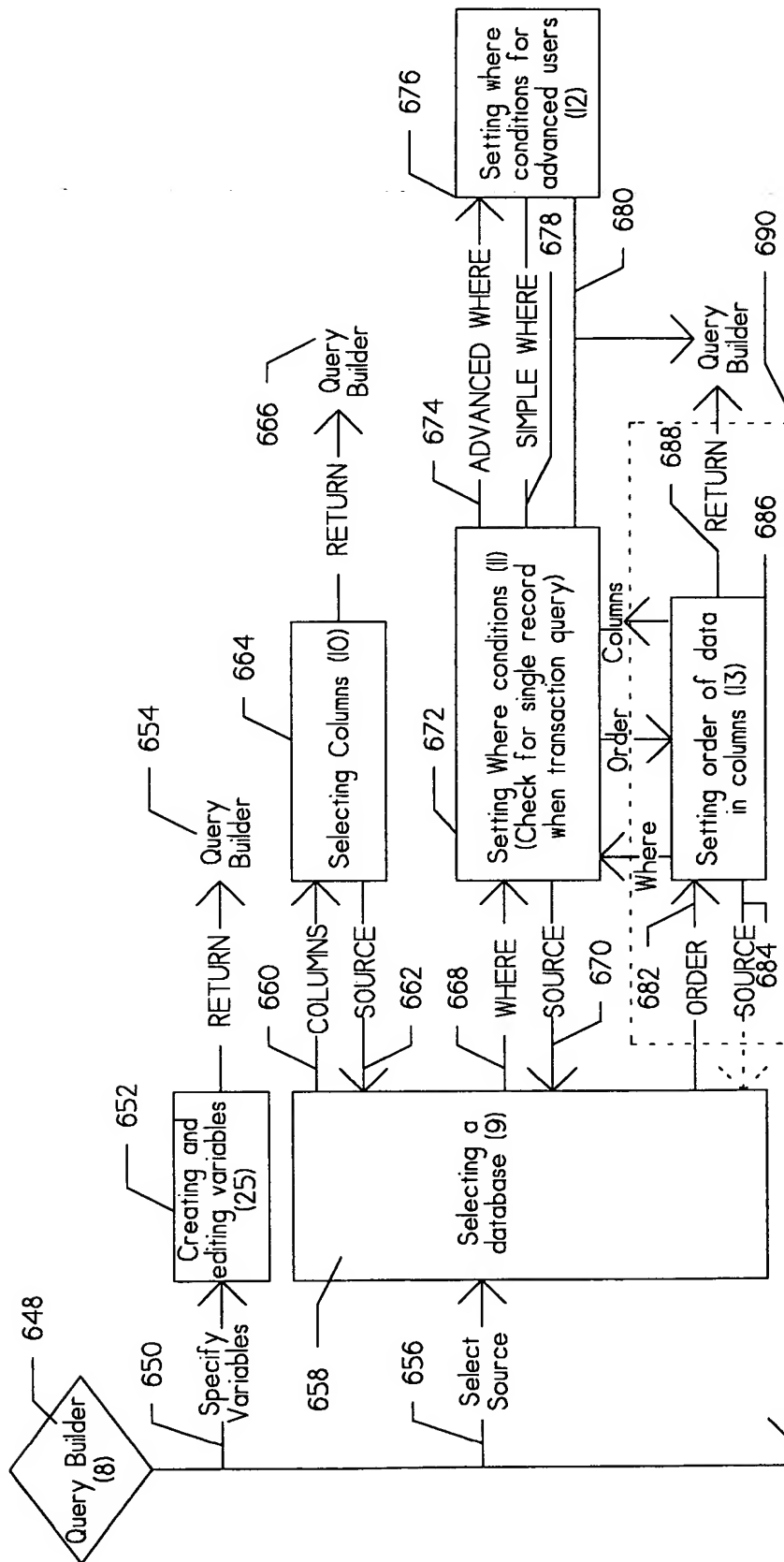


FIG. 22A

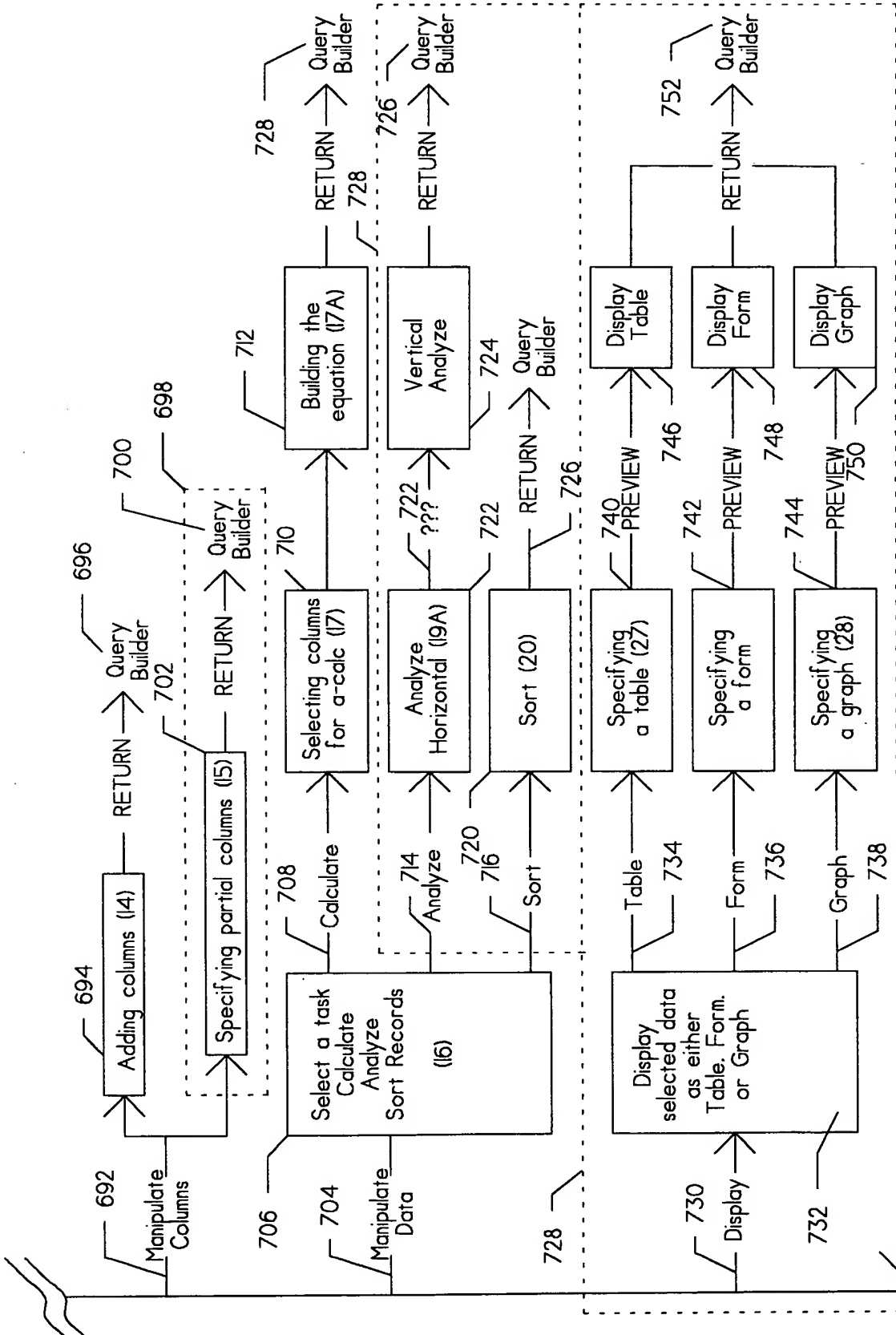
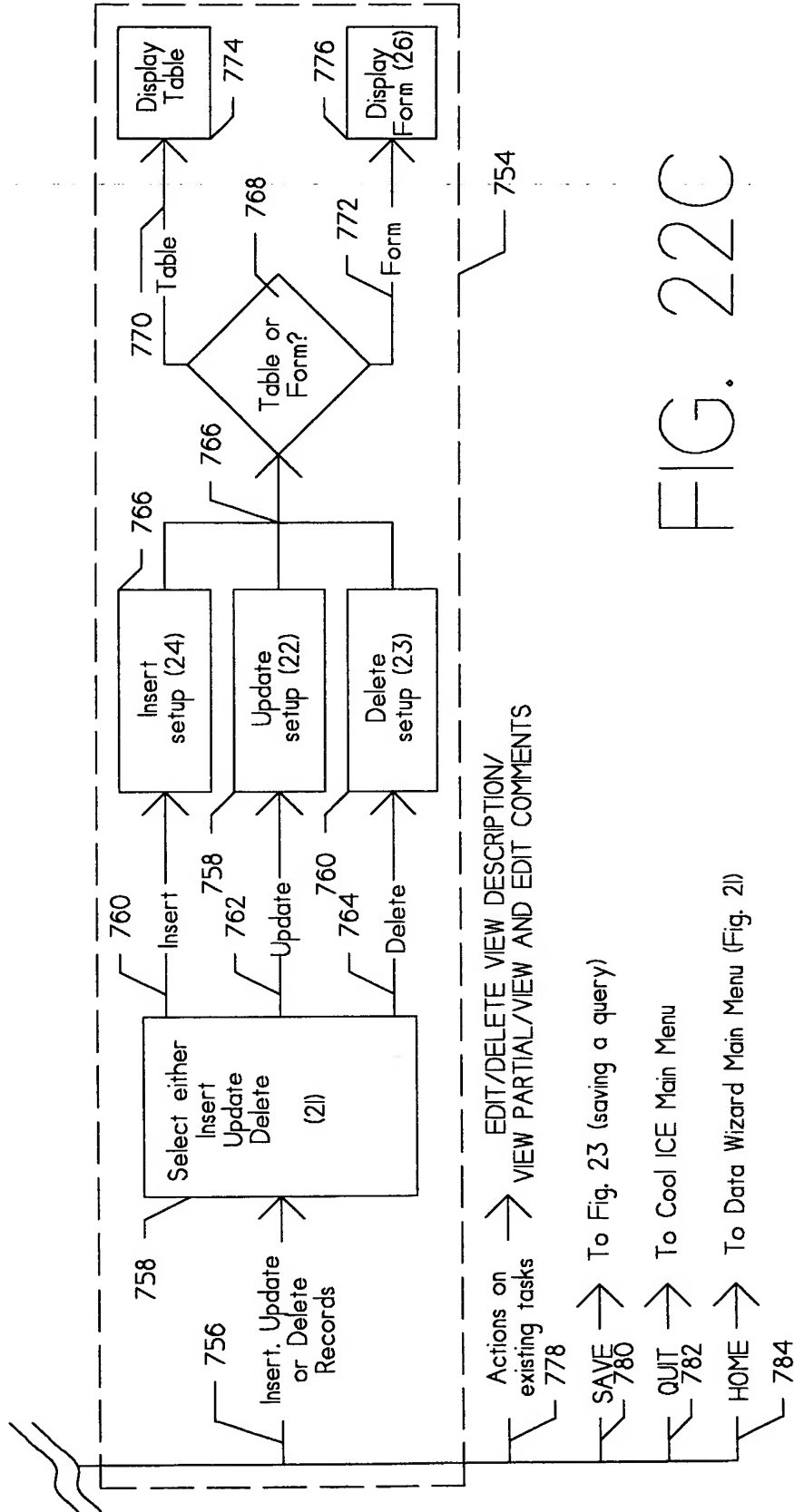


FIG. 22B





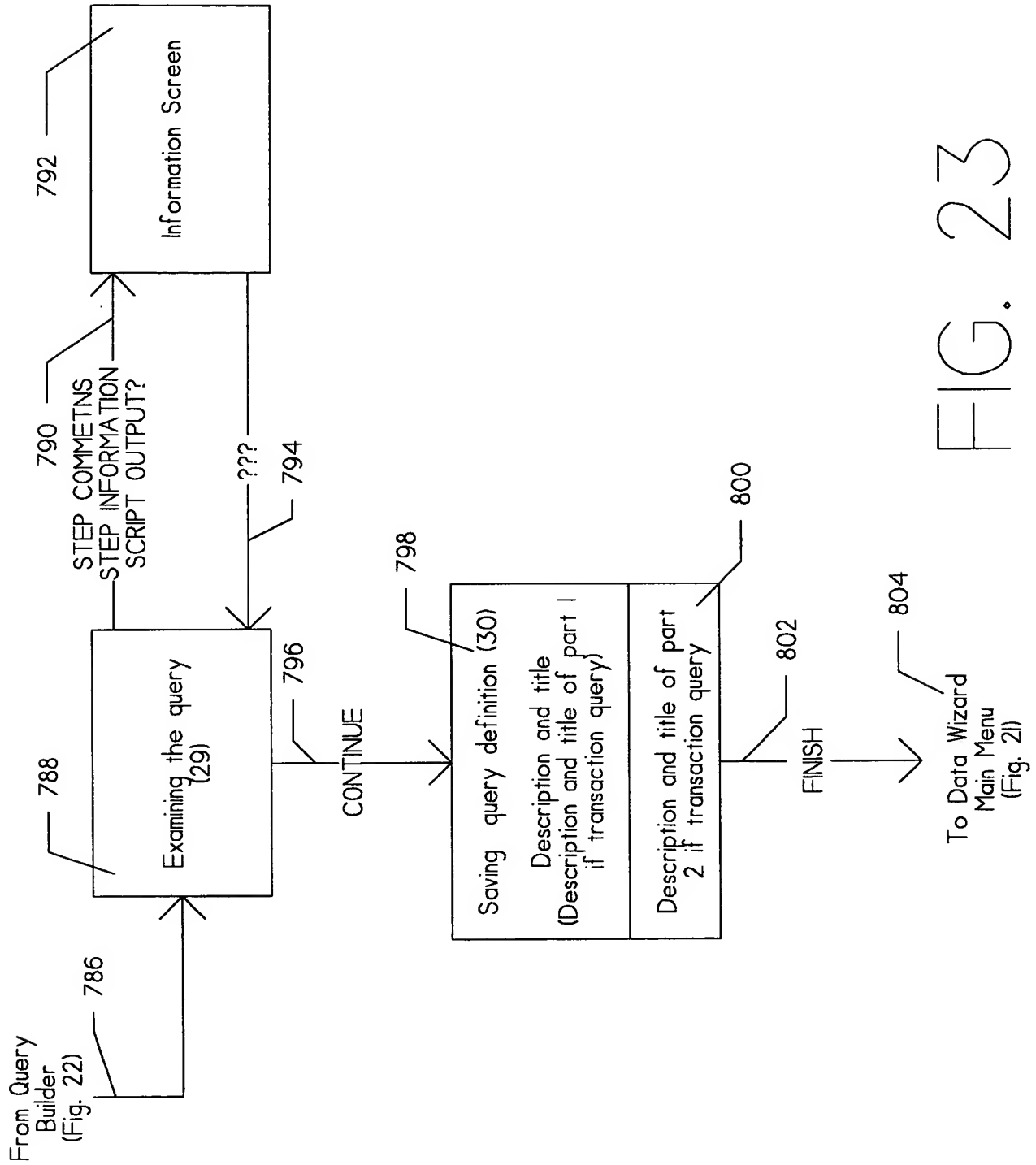


FIG. 23

FIG. 24

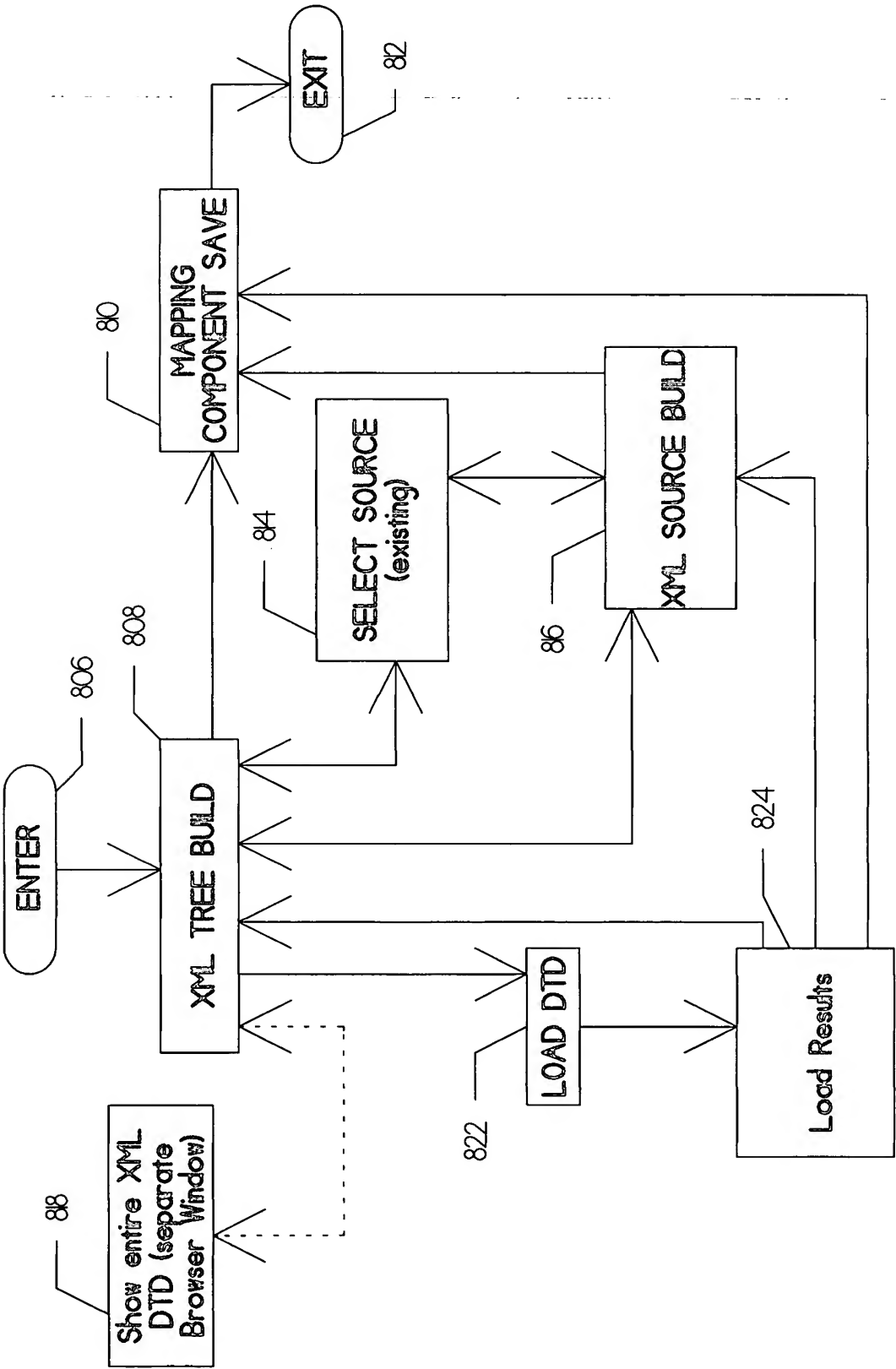


FIG. 24

XML - Mapper -- Microsoft Internet Explorer  
File Edit View Favorites Tools Help

Component Builder

UNISYS

828 Home Quit Cancel Help

830 XML MAPPING ELEMENTS

836 ELEMNTS 858

838 Newspaper 856

840 Article 856

842 Author 856

844 Editor 856

846 Date 856

848 Edition 856

850 Headline 856

852 Byline 856

854 Lead 856

856 Body 856

872 Redisplay 874 Sources 876 Save

CONTROLS

Mapping Type Open 868 Name Conversion Capital 864

Table Mapping Complete 866

Element Properties

Item Type Sequence 860 Element Form Rpt Rpt 861

Mapping Row Iterator 862 Value 863

FIG. 25

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XML Mapper -- Microsoft Internet Explorer  
File Edit View Favorites Tools Help

838 Newspaper	<input type="radio"/>	<input type="radio"/>	Mapping Type <input type="checkbox"/> Open 868 <input checked="" type="checkbox"/> Table Mapping 864 <input type="checkbox"/> Complete 866	Name Conversion <input checked="" type="checkbox"/> Capital 864
840 Article	<input type="radio"/>	<input type="radio"/>	Element Properties	
842 Author	<input type="radio"/>	<input type="radio"/>	Item Type <input type="checkbox"/> Sequence 860 <input checked="" type="checkbox"/> Mapping 862 <input type="checkbox"/> Row Iterator 863	Element Form <input type="checkbox"/> Rpt 861
844 Editor	<input type="radio"/>	<input type="radio"/>	Actions 865	
846 Date	<input type="radio"/>	<input type="radio"/>	Clear Mapping Add Sibling above Add Sibling below Add Childred Add Attributes Delete Branch Compact View Show Representation	
848 Edition	<input type="radio"/>	<input type="radio"/>		
850 Headline	<input type="radio"/>	<input type="radio"/>		
852 Byline	<input type="radio"/>	<input type="radio"/>		
854 Lead	<input type="radio"/>	<input type="radio"/>		
Body	<input type="radio"/>	<input type="radio"/>		
Notes	<input type="radio"/>	<input type="radio"/>		

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FIG. 26

XML-Mapper -- Microsoft Internet Explorer  
File Edit View Favorites Tools Help

Component Builder

UNISYS

Home Quit Cancel Help  
XML MAPPING ELEMENTS  
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872  
Redisplay  
874  
Sources  
876  
Upload DID  
Save

ELEMENTS  
858  
Root

Variables  
Tables

856

CONTROLS

Mapping Type  
Open  
Table Mapping  
Complete  
Name Conversion  
Capital  
864  
868  
866

Element Properties

Item Type  
Sequence  
Mapping  
Row Iterator  
Value  
860  
862  
863  
860  
861

870

FIG. 27

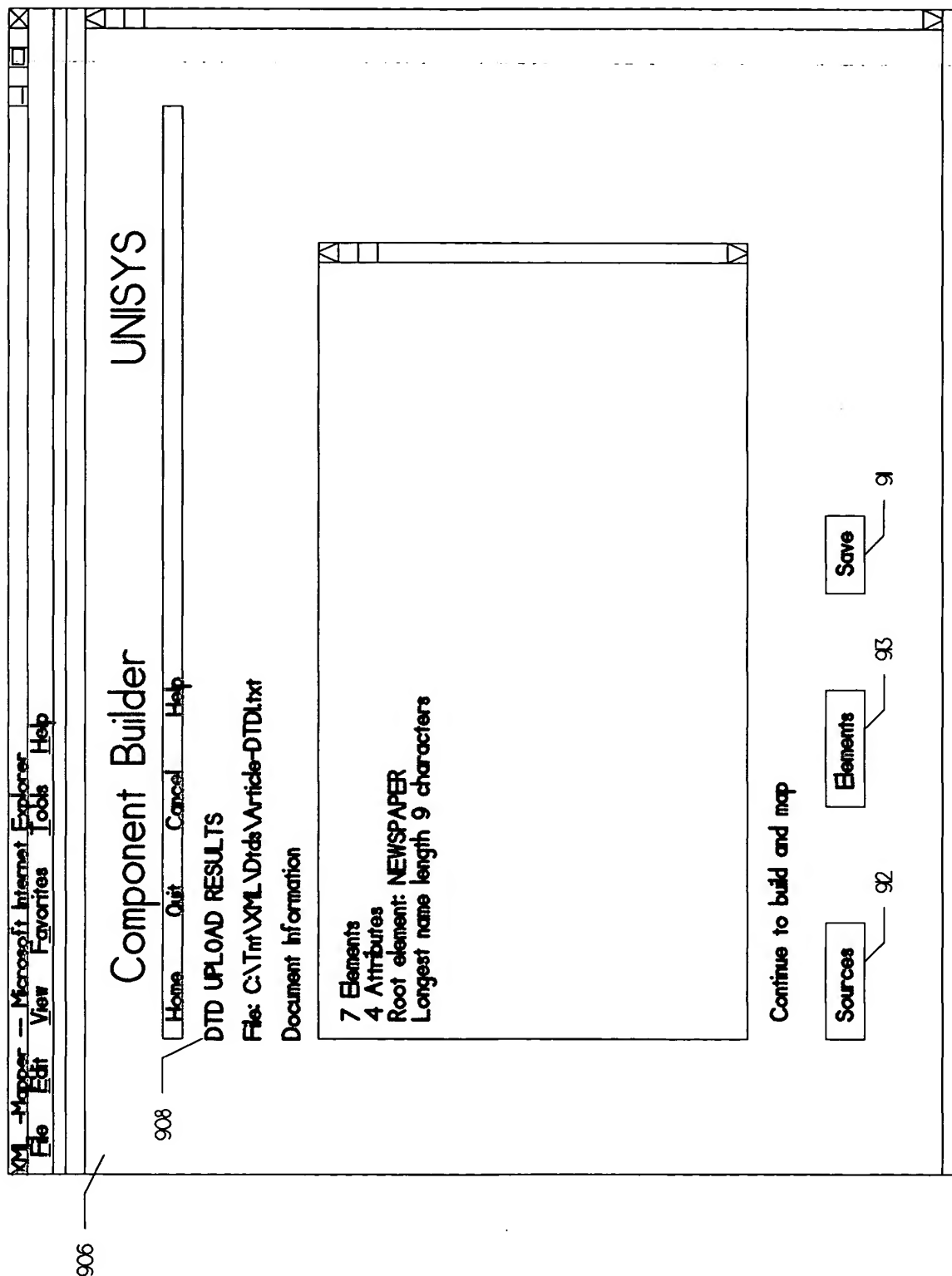


FIG. 28

# IDT EXAMPLE

Version:AC:0.0 90  
Truncation:AC:0 92  
TypeCheck:AC:0 93  
ShoeData:ED:0:R 94  
From:DE:R  
From:EV:Supplier:20:string  
TableType:ED:R  
TableType:EV:TableInfo:50:string  
Inventory:ED:R  
Inventory:BT:Inventory:7  
Inventory:H:ITEMNUMBER:10  
Inventory:H:QTY:5  
Inventory:H:TYPE:10  
Inventory:H:GENDER:6  
Inventory:H:SIZE:3  
Inventory:H:COLOR:31  
Inventory:H:UNTCOST:13  
Date:AD:R  
Date:AV:SendDate:10:string  
Time:AD:R  
Time:AV:SendTime:5:string  
Row:ED:2:R  
Row:BR:1  
ItemNr:ED:2:R  
ItemNr:EF:ITEMNUMBER:10:R:string  
Quantity:AD:2:R  
Quantity:AF:QTY:5:R:string  
Type:ED:2:R  
Type:EF:TYPE:10:L:string:  
Gender:ED:2:0  
Gender:EF:GENDER:6:L:string:Unisex  
Size:ED:2:R  
Size:EF:SIZE:3:L:string:  
Color:ED:3:0  
Color:EF:COLOR:31:L:string:White  
Unitcost:ED:2:R  
Unitcost:EF:UNTCOST:13:R:string:  
Row:EE:2  
Row:ER:a  
Inventory:EE:1  
Inventory:ET:1 96

FIG. 29

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# DTD EXAMPLE

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<!DOCTYPE ShoeData [

```

<ELEMENT ShoeData (From, TableType, Inventory)>
<ELEMENT From (#PCDATA)>
<ELEMENT TableType (#PCDATA)>
<ELEMENT Inventory (Row+)>
<!ATTLIST Inventory Date CDATA #REQUIRED>
<!ATTLIST Inventory Time CDATA #REQUIRED>
<ELEMENT Row (ItemNr, Type, Gener?, Size, Color?, Unitcost)+>
<ELEMENT ItemNr (#PCDATA)>
<!ATTLIST ItemNr Quantity CDATA #REQUIRED>
<ELEMENT Type (#PCDATA)>
<ELEMENT Gender (#PCDATA)>
<ELEMENT Size (#PCDATA)>
<ELEMENT Color (#PCDATA)>
<ELEMENT Unitcost (#PCDATA)>
    
```

FIG. 30



XML INPUT DOCUMENT EXAMPLE

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```

<?xml version="1.0" encoding="ISO-8859-1"?>
<ShoeDate>
  <FrontRecord>
    <Store/VFront>
      <TableType>
        <Inventory Count/VTableType>
          <Inventory Date>2000-12-05</Inventory Date>
          <Item>
            <Item>
              <Quantity>0732335</Quantity>
              <Type>Tennis/VType>
              <Gender>Men/VGender>
              <Size>8/VSize>
              <Color>White/Zen Grey/Red Spruce/VColor>
              <Unitcost>25.00</Unitcost>
            </Item>
            <Item>
              <Quantity>0735410</Quantity>
              <Type>Running/VType>
              <Gender>Women/VGender>
              <Size>5/VSize>
              <Color>White/Zen Grey/Neptune Blue/VColor>
              <Unitcost>2.70</Unitcost>
            </Item>
            <Item>
              <Quantity>0735410</Quantity>
              <Type>Running/VType>
              <Gender>Women/VGender>
              <Size>8/VSize>
              <Color>White/Zen Grey/Neptune Blue/VColor>
              <Unitcost>2.70</Unitcost>
            </Item>
            <Item>
              <Quantity>2735420</Quantity>
              <Type>Running/VType>
              <Gender>Women/VGender>
              <Size>5/VSize>
              <Color>White/Oceanic Blue/Hot Lime</Color>
              <Unitcost>2.70</Unitcost>
            </Item>
            <Item>
              <Quantity>T737424</Quantity>
              <Type>Golf/VType>
              <Gender>Women/VGender>
              <Size>8/VSize>
              <Color>White/Fluorescent Pink/VColor>
              <Unitcost>35.00</Unitcost>
            </Item>
          </Inventory>
          <ShoeDate>
            <Color>White/Black-Hot Lime Neo Teal/VColor>
            <Unitcost>40.00</Unitcost>
          </ShoeDate>
          <Item>
            <Quantity>0732474</Quantity>
            <Type>Tennis/VType>
            <Gender>Women/VGender>
            <Size>8/VSize>
            <Color>White/Light Marine-Ultramarine/VColor>
            <Unitcost>25.00</Unitcost>
          </Item>
          <Item>
            <Quantity>T735200</Quantity>
            <Type>Running/VType>
            <Gender>Men/VGender>
            <Size>8/VSize>

```

FIG. 31

10027931.122101